

MULTIMODE WIRELESS COMMUNICATION DEVICE

ABSTRACT OF THE DISCLOSURE

5 A multimode wireless communication includes a digital baseband processing module, an analog to digital converter module, a digital to analog converter module, a first radio section, and a second radio section. The digital baseband processing module is operably coupled to convert outbound data into outbound digital baseband signals and to convert inbound digital baseband signals into inbound data. The analog to digital
10 converter module is operably coupled to convert inbound analog baseband signals into the inbound digital baseband signals. The digital to analog converter module is operably coupled to convert the outbound digital baseband signals into outbound analog baseband signals. The first radio section is operably coupled to convert the outbound analog baseband signals into first outbound radio frequency (RF) signals and to convert first
15 inbound RF signals into the inbound analog baseband signals when the wireless communication device is in a first mode of operation. The second radio section is operably coupled to convert the outbound analog baseband signals into second outbound RF signals and to convert second inbound RF signals into the inbound analog baseband signals when the wireless communication device is in a second mode of operation.